

Converting Colors

$Yxy(48.0771, 0.2389, 0.3632)$

Have a look what the booklet for
Yxy(48.0771, 0.2389, 0.3632)
contains.

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Color

Yxy(48.0538, 0.2391, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	2ACEB7
RGB	42, 206, 183
RGB Percent	16%, 81%, 72%
CMY	0.8355, 0.1921, 0.2822
CMYK	0.80, 0.00, 0.11, 0.19
HSL	172°, 66%, 49%
HSV	172°, 80%, 81%
XYZ	31.5737, 48.0538, 52.4247
YIQ	154.3420, -90.3610, -41.9210

Conversions

Conversions Part 2

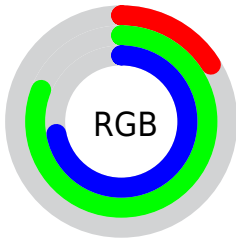
Format	Color
RYB	42, 130, 206
Decimal	2805431
CIELab	74.86, -45.35, -0.10
CIELCh	75, 45.349, 180.129
Yxy	48.0538, 0.2391, 0.3639
Android (android.graphics.Color)	4280995511 (0xFF2ACEB7)
YUV	154.3420, 14.1284, -98.5239
Hunter-Lab	69.3208, -40.0098, 3.6858

Details

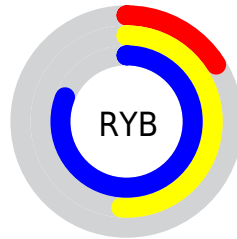
The Yxy color **48.0538, 0.2391, 0.3639** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.1556, 0.5573, 0.3101**, and the grayscale version is **32.4346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5339, 0.2502, 0.3477**, and **23.7449, 0.2368, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **47.6088, 0.2374, 0.3688**, and if you desaturate by 10%, it is **48.7279, 0.2427, 0.3590**.

Distribution



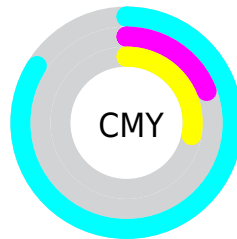
- Red (16%)
- Green (81%)
- Blue (72%)



- Red (16%)
- Yellow (51%)
- Blue (81%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (19%)





- Cyan (84%)
- Magenta (19%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0538, 0.2391, 0.3639 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.0538, 0.2391, 0.3639 by changing the saturation by 10% instead.


 48.0538, 0.2391,
0.3639

 48.0538, 0.2391,
0.3639


379.0053, 0.2753,
0.3467


 33.8695, 0.2303,
0.3681


 87.2845, 0.2521,
0.3577


 22.7934, 0.2191,
0.3734


 113.0997, 0.2570,
0.3554

 14.4410, 0.2045,
0.3803


 143.5606, 0.2612,
0.3534

 8.4280, 0.1847,
0.3896

 179.0517, 0.2648,
0.3517

 4.3700, 0.1567,
0.4028

 219.9573, 0.2680,
0.3502

 1.8826, 0.1037,
0.4278

266.6619, 0.2707,

 0.5379, 0.0000,

0.3489

0.4757

319.5497, 0.2732,
0.3478

■ 0.0000, 0.0000,
0.0000

■ 48.0538, 0.2391,
0.3639

■ 48.0538, 0.2391,
0.3639

■ 47.6088, 0.2374,
0.3688

■ 48.7279, 0.2427,
0.3590

■ 47.3338, 0.2372,
0.3737

■ 49.6556, 0.2482,
0.3541

■ 47.3248, 0.2372,
0.3739

■ 50.8643, 0.2556,
0.3493

■ 52.3764, 0.2648,
0.3446

■ 54.2119, 0.2753,
0.3402

■ 56.3891, 0.2871,
0.3361

■ 58.9252, 0.2999,
0.3323

■ 61.8358, 0.3132,
0.3289

■ 65.1361, 0.3269,
0.3258

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0538, 0.2914, 0.4211



48.0538, 0.2391, 0.3639



48.0538, 0.2081, 0.3005

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.0538, 0.2391, 0.3639



48.0538, 0.2647, 0.2350



48.0538, 0.4355, 0.3873

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.0538, 0.2391, 0.3639



15.1556, 0.5573, 0.3101

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.0538, 0.4297, 0.3395



48.0538, 0.2391, 0.3639



48.0538, 0.3250, 0.2566

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.0538, 0.2391, 0.3639



48.0538, 0.2219, 0.2333



48.0538, 0.3875, 0.2935



48.0538, 0.4058, 0.4273

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0538, 0.2391, 0.3639



48.0538, 0.2015, 0.2672



48.0538, 0.3875, 0.2935



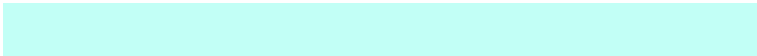
48.0538, 0.4379, 0.3717

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.0556, 0.2391, 0.3639



89.6431, 0.2815, 0.3380



45.4890, 0.3100, 0.5692



18.9214, 0.2773, 0.3395



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.0556, 0.2391, 0.3639



76.7910, 0.2372, 0.3725



26.3114, 0.2045, 0.2363



12.6990, 0.3002, 0.3323



29.1507, 0.2370, 0.3732



1.5115, 0.2343, 0.3636

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.1556, 0.5573, 0.3101



21.6670, 0.6159, 0.3191



22.2829, 0.5278, 0.3873



11.2388, 0.3268, 0.3258



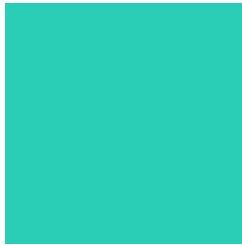
8.1427, 0.6200, 0.3189



0.4286, 0.5744, 0.2938

Previews

White Background



This preview shows how the Yxy color 48.0538, 0.2391, 0.3639 looks on a white background.

Color Contrast Check

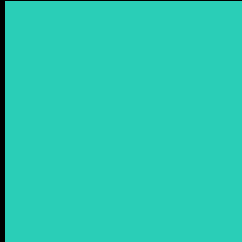
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 48.0538, 0.2391, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

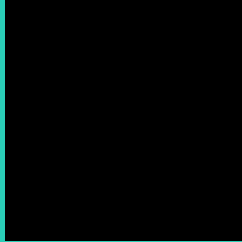
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

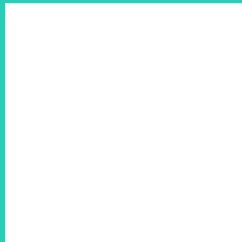
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0538, 0.2391, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 48.0538, 0.2391, 0.3639.

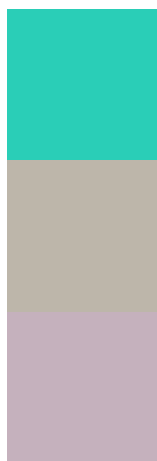


This preview shows how white text looks on a background with the Yxy color 48.0538, 0.2391, 0.3639.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.0538, 0.2391, 0.3639

Protanopia

47.1770, 0.3285, 0.3446

Deuteranopia

46.9887, 0.3204, 0.3141



Tritanopia

47.9413, 0.2277, 0.3061

Trichromacy



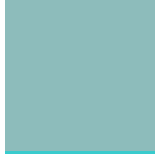
Original Color

48.0538, 0.2391, 0.3639



Protanomaly

45.5910, 0.2819, 0.3519



Deuteranomaly

45.2170, 0.2771, 0.3303



Tritanomaly

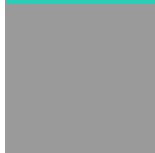
47.9895, 0.2313, 0.3258

Monochromacy



Original Color

48.0538, 0.2391, 0.3639



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.1145, 0.2700, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0538, 0.2391, 0.3639 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(42, 206, 183)` looks like.

```
.text, #text, p{  
    color:rgb(42, 206, 183)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(42, 206, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 206, 183) }
```

Border

The CSS property to change the border of an element to Yxy 48.0538, 0.2391, 0.3639 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 206, 183) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(42, 206, 183) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(42, 206, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 206, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 206, 183);  
box-shadow:4px 4px 4px 4px rgb(42, 206,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0538, 0.2391, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 206, 183) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(42, 206,  
183) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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